

Abstract of the Disclosure

An electric drive mower includes an electric traction drive as well as electric drive to the cutting units carried on the mower. A hybrid electric drive system supplies electric power to these motors. The electric drive system includes a genset (an internal combustion engine driving an electrical power generating device such as an alternator) and a battery pack which supply the electric power to the electric motors either individually or jointly. A switch may be provided to permit all battery operation of the mower. A steering system having a non-powered pump is used to effect steering of the steerable wheel(s) of the mower to avoid having a heated oil damage the turf in the event of a leak. A crankshaft driven by a single electric drive motor is linked to all the cutting units through various crankarm and connecting rod linkages to lift and lower the cutting units in a timed manner.